

Gold color lustrous pigment containing rare earth elements

Veröffentlichungsnr. (Sek.)	CN1078241
Veröffentlichungsdatum :	1993-11-10
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Veröffentlichungsnummer :	<u>CN1078241</u>
Aktenzeichen:(EPIDOS-INPADOC-normiert)	CN19920103456 19920504
Prioritätsaktenzeichen:(EPIDOS-INPADOC-normiert)	CN19920103456 19920504
Klassifikationssymbol (IPC) :	C09C1/00; C09D5/36
Klassifikationssymbol (EC) :	
Korrespondierende Patentschriften	

Bibliographische Daten

This invention relates to a golden gloss pigment with a basic flake material (partic to mica) which is coated with a layer of oxidized material. Said oxide consists mainly of titanium-dioxide and oxides of rare-earth elements. It is coated on flakes of mica by a co-precipitation method, and rare-earth elements are used mainly as colouring agent. This golden gloss pigment possesses excellent chemical resistance and heat resistance, so it is especially suitable for molten silicate such as transparent enamel and glaze. Besides, it may also be used for printing of patterns on plastic, leather, and fabrics.

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